CLAIMS

What is claimed is:

Sub A1

1 1. A method for dynamically changing attributes in an embedded-SQL application, the

2 method comprising the steps of:

3 (a) providing an option within a standard SQL statement for specifying one or more

4 attributes of at least a declared cursor; and

5 (b) processing the standard SQL statement to include the specified one or more

6 attributes in at least the declared cursor.

2. The method of claim 1 wherein the option providing step (a) further comprises the

steps of (a1) providing an ATTRIBUTES option.

3. The method of claim 2 wherein option providing step (a) further comprises the steps

of (a2) providing an option within a PREPARE SQL statement.

1 4. The method of claim 3 wherein the processing step (b) further comprises the steps

2 of (b1) parsing the ATTRIBUTES option.

1 5. The method of claim 4 further comprising the step of (c) resolving conflicting and

2 duplicate attributes.

1   6. The method of claim 5 further comprising the step of (c) placing resolved attributes

2   in a parse tree.

1   7. The method of claim 1 further comprising the step of (c) utilizing the one or more

2   attributes in a concatenated string for a dynamic cache system of a database server.

1   8. A system for dynamically changing attributes in an embedded-SQL application, the

2   system comprising:

3   at least one computer processing device; and

4   a database management system installed on the at least one computer processing

5   device, the database management system supporting provision of an option within a standard

6   SQL statement for specifying one or more attributes of at least a declared cursor, and

7   processing of the standard SQL statement to include the specified one or more attributes in

8   at least the declared cursor.

1   9. The system of claim 8 wherein provision of an option further comprises provision

2   of an ATTRIBUTES option.

1   10. The system of claim 9 wherein provision of an option further comprises provision

2   of an option within a PREPARE SQL statement.

1   11. The system of claim 10 wherein processing further comprises parsing the

2   ATTRIBUTES option.

1   12. The system of claim 11 wherein the database management system further supports

2   resolution of conflicting and duplicate attributes.

1   13. The system of claim 12 wherein the database management system further supports

2   placement of resolved attributes in a parse tree.

        14. The system of claim 8 wherein the database management system further supports

utilization of the one or more attributes in a concatenated string for a dynamic cache system of

a database server.

        15. A computer readable medium containing program instructions for dynamically

changing attributes in an embedded-SQL application, the program instructions comprising:

3   providing an option within a standard SQL statement for specifying one or more

4   attributes of at least a declared cursor; and

5   processing the standard SQL statement to include the specified one or more attributes

6   in at least the declared cursor.

1   16. The program instructions of claim 15 wherein providing an option further

2   comprises providing an ATTRIBUTES option.

1   17. The program instructions of claim 16 wherein providing an option further

2   comprises providing an option within a PREPARE SQL statement.

1   18. The program instructions of claim 17 wherein processing further comprises parsing

2   the ATTRIBUTES option.

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1   19. The program instructions of claim 18 further comprising resolving conflicting and

2   duplicate attributes.

1   20. The program instructions of claim 19 further comprising placing resolved
     attributes in a parse tree.